



## 2013 ELP Award Descriptions



### **St. Landry Parish Solid Waste Disposal District – Washington, LA:**

#### *Biogas-to-CNG Vehicle Fuel Project*

St. Landry Parish Solid Waste Disposal District (District) is receiving the *Environmental Leadership Program (ELP) **Special Recognition Award in Pollution Prevention*** for the voluntary collection and conditioning of landfill gas (LFG) to derive compressed natural gas (CNG) for dispensing into motor vehicles as a fossil fuel substitute. When operating at full capacity, 250 gallons of gasoline equivalent (GGE)/day is produced from 50 cubic feet of the average 300 cubic feet per minute of LFG. In addition to direct voluntary reductions in emissions, the release of fugitive gas is lessened, odor is controlled and vegetative growth is improved. This project is significant in that the St. Landry Parish Sheriff's Department made a commitment to convert twelve of their vehicles to bi-fuel capability and added a passenger van that is fueled solely on CNG. This project is one of only five in the nation using landfill gas as a biogas source for vehicle fuel, according to Energy Vision, a national non-profit organization promoting strategies for a sustainable transportation future. This innovative technology is truly advancing the waste management industry by providing a new fuel source at a significantly reduced price for municipalities and industries.

### **St. Landry Parish Solid Waste Disposal District – Washington, LA:**

#### *Education Environmental Awareness Literacy Program*

St. Landry Parish Solid Waste Disposal District (The District) is receiving the *Environmental Leadership Program (ELP) **Special Recognition Award in Community Environmental Outreach*** for increasing awareness and recycling participation as well as community stewardship. The District provided professional customized teaching lessons to all Second Grade classrooms in St. Landry Parish with supplemental materials provided to grades 3 through 6. Special calendars and guided tours to the recycling and disposal sites were developed as part of the objectives. Free transportation for school recycling participants was also provided. The District worked with St. Landry Parish School Board Administrators and teachers and partnered with Character Links, Inc. to develop a truly unique program. This program, with emphasis on eight core topics, has served as an effective network for family involvement and community outreach. As a result, the program has created an environment to develop lifetime habits in children.

## **Martin Ecosystems – Baton Rouge, LA:**

### ***Installing BioHaven® Floating Islands at Elayn Hunt Correctional Facility***

Martin Ecosystems is receiving the *Environmental Leadership Program (ELP) Special Recognition Award in Pollution Prevention* for installing BioHaven® Floating Islands at Elayn Hunt Correctional Facility. BioHavens® are man-made floating islands that provide optimized habitat for growing microbial and plant species. Similar to a wetland, plants and microbes improve water quality by transforming pollution into healthy biological diversity through a vegetative and microbial foundation. BioHaven® Floating Islands are engineered to support larger populations of those organisms. As plants grow through the islands, their roots remove pollution in the water body by converting contaminants into biomass, thereby providing an ideal habitat for the microbes. As the microbes and algae consume nutrients and pollution, they convert those nutrients into forms that are useful to other organisms, providing ecologically healthy and stable aquatic environments to dramatically remove unwanted nutrients and pollution. Additionally, the Islands increase retention time as the flow of water is “redirected” through or around the Islands. The installation of BioHaven® Floating Islands at Elayn Hunt Correctional Facility greatly improved the water quality.

## **Rubicon, LLC – Geismar, LA:**

### ***MDI Plant Caustic Usage Reduction***

Rubicon, LLC is receiving the *Environmental Leadership Program (ELP) Large Business Achievement Award in Pollution Prevention* for reducing the effluent waste disposed via deepwell injection and reducing the usage of electricity. Rubicon is a leading producer of methylene diphenyl diisocyanate (MDI). Acid gases produced by the MDI process are routed to caustic scrubbers and neutralized with caustic. Optimizing the amount of caustic utilized for neutralization resulted in the elimination of 3,590 tons of caustic being disposed of via deepwell injection. This control scheme resulted in reduced electricity usage by 806 million kilowatt hours. This project resulted in reduced impacts on the environment by lowering caustic usage and reduced “pH swings”.

**Stuller, Inc. of Lafayette – Lafayette, LA:*****E-Waste Recycling***

Stuller, Inc. is receiving the *Environmental Leadership Program (ELP) Large Business Recognition Award in Pollution Prevention* for recycling E-waste. Stuller Inc. is a proactive, innovative wholesale jewelry manufacturer that embraces environmental sustainability and corporate social responsibility. As part of its commitment to reduce waste at the source, Stuller committed to recycling computer monitors and printers rather than landfill disposal. Approximately five tons of E-waste was recycled in an environmentally safe manner by a company that, in turn, provides refurbished computers and equipment to schools, nonprofit organizations and low income families.

**Alon Refining Krotz Springs – Krotz Springs, LA:*****Air Emissions Reduction Program***

Alon Refining Krotz Springs (KSR) is receiving the *Environmental Leadership Program (ELP) Medium Business Achievement Award in Pollution Prevention* for their air emissions reduction program which focused on pollution reductions from process, use of products, and waste minimization. Reductions in NO<sub>x</sub> and SO<sub>2</sub> emissions from the Fluid Catalytic Cracking Unit at the petroleum refinery were accomplished utilizing emission reduction catalysts. The refinery also commissioned a new steam boiler which replaced four existing boilers, thereby further reducing NO<sub>x</sub> emissions. Additional reductions in H<sub>2</sub>S, total sulphur and mercaptans were realized with the installation of caustic scrubbers for the LPG and Jet Fuel. The two treaters presented KSR with the opportunity to recycle 3,500 tons of caustic. KSR believes that the environmental benefits of their air emissions reduction program outweigh the economic costs, thereby going beyond the status quo to provide benefit not only to the refinery but their neighbors and the environment as well.

**Advanced Specialized Carriers – Pineville, LA:*****Pollution Prevention & Beneficial Reuse Program***

Advanced Specialized Carriers (ASC) is receiving the *Environmental Leadership Program (ELP) Small Business Recognition Award in Pollution Prevention* for recycling oily water, soapy water, ink-wash water and used oil. ASC has promoted the reduction of hazardous waste while remaining conscious of environmental issues during the process of emergency response. Additionally, Advanced Specialized Carriers purchased five ecofriendly trucks with Detroit MBE 4000 cleaner burning engines, supported environmental events such as Environmental Regulatory Compliance Conference and donated time, equipment, disposal costs, recycling

costs and transport for the CENLA Household Hazardous Collection Day. ASC has also supported local area schools through their volunteer educational efforts.

**Country Club Auto Repair and Bentley's Collision – Lake Charles, LA:**  
*Pollution Prevention*

Country Club Auto Repair and Bentley's Collision is receiving the *Environmental Leadership Program (ELP) Small Business Recognition Award in Pollution Prevention* for reducing the amount of electricity and gas utilized by the repair shop. Solar Panel roofing was installed to reduce the amount of electricity utilized by the shop. Solar Panel installation reduces the need for carbon based fuels as a source of energy. The repair shop also converted their work vehicles to natural gas as a cleaner alternative fuel source. Through the implementation of these activities, the repair shop operates in a more eco-friendly manner and makes a positive impact on global warming by reducing greenhouse emissions. The shop remains steadfast in its commitment to pollution prevention by limiting the amount of waste generated on-site.

**The Green Project – New Orleans, LA:**  
*It's Easy Being Green*

The Green Project is receiving the *Environmental Leadership Program (ELP) Small Business Achievement Award in Community Environmental Outreach* for expanding their environmental education program beyond their walls to include presentations for children as well as adults given at schools and gatherings of various community groups. The program is designed to inform citizens of waste issues and provide instructions on how to implement solutions. Presentations cover the basics of the waste stream and are adaptable for various audiences depending on age and level of environmental literacy. Presentations, lectures, and activities focus on reducing waste, increasing reuse and recycling, and improving the level of environmental awareness in the Greater New Orleans area.

**Capital Area Corporate Recycling Council – Baton Rouge, LA:**  
*Electronic Recycling Events 2012*

Capital Area Corporate Recycling Council (CACRC) is receiving the *Environmental Leadership Program (ELP) Non-Governmental Organizations Achievement Award in Pollution Prevention* for

its continual commitment to electronic scrap reduction by providing recycled computers and equipment to schools, nonprofit organizations and low income families. As a licensed Microsoft Registered Refurbisher, the CACRC manages Computers for Louisiana's Kids and Computers for Louisiana's Families. During the year 2012, CACRC held 23 recycling events in partnership with local communities, businesses, and media sponsors, none of which are required by regulations. These events resulted in the recycling and reusing of 153,473 pounds of electronic material.

### **St. Margaret Catholic School Science Club - Lake Charles, LA:**

#### ***Water Stewards***

St. Margaret Catholic School is receiving the *Environmental Leadership Program (ELP) Schools Achievement Award in Pollution Prevention* for identifying storm drain pollution and its effects on the Lake Charles area waterways and promoting stewardship for our Earth and community. Students participated in a city meeting on waterways and requested storm drain level maps to determine the flow of storm drains to various water bodies. The students monitored the water along Contraband Bayou, which runs through the city to Lake Charles Lake, Calcasieu River, and eventually the Gulf of Mexico. The students also worked with the parish to identify and mark storm drains as well as distributed flyers to the general public promoting storm drain pollution awareness. The students also participated in other projects such as *Adopt-A-Road*, *Beach Sweep*, Pep Rally and PTC water awareness skits, and Stewards of the Water/Tuten Park Community-wide event.

### **Baton Rouge Magnet High School – Baton Rouge, LA:**

#### ***Bulldogs Recycle!***

Baton Rouge Magnet High School is receiving the *Environmental Leadership Program (ELP) Schools Recognition Award in Pollution Prevention* for implementing a school-wide recycling program called *Bulldogs Recycle!* The goal of the program was to reduce the amount of paper and plastics that make its way to landfills. Recycling bins were placed in all classrooms, offices and workrooms. Students were responsible for maintaining the bins, sorting, and delivering contents. Students collected approximately 16,000 pounds of paper and plastics during the school year. Through these activities, environmental benefits include saving landfill space, conserving natural resources, saving energy and reducing greenhouse emissions. The club members were inspired to reduce their ecological footprint, instill pride among their peers for

their environmental contributions and gain valuable lessons in environmental stewardship that will be carried into their adult lives.

### **Tulane University – New Orleans, LA:**

#### *Environmental Program Initiatives*

Baton Rouge Magnet High School is receiving the *Environmental Leadership Program (ELP) University Recognition Award in Pollution Prevention* for establishing a new “Environmental Programs” group within the Tulane Office of Environmental Health and Safety (OEHS) to provide centralized oversight, management and recordkeeping of environmental compliance activities. The OEHS carried out a university-wide chemical cleanout to ensure that old, unwanted chemicals were properly disposed. The University partnered with Ben Franklin High School in New Orleans to commercially dispose of unwanted chemicals. Through the implementation of various environmental initiatives OEHS has improved chemical and solid waste management practices and supported environmental sustainability at the university. By securing container systems and secondary containment equipment, OEHS encouraged the safe and proper collection and disposal of organic solvent waste in labs. OEHS also reduced the volume of chemical and solid waste through recycling. The University also adopted Leadership in Energy and Environmental Design (LEED) Green Building Certification standards for their construction and renovation projects.

### **St. Margaret Catholic School – Lake Charles, LA:**

#### *Steward of the Earth*

St. Margaret Catholic School is receiving the *Environmental Leadership Program (ELP) Schools Achievement Award in Community Environmental Outreach* for promoting awareness of energy saved by recycling and up-cycling in schools and the community through a variety of activities. The students shared information on recycling and storm drain marking with other schools by hosting workshops, open houses, energy fairs, and recycled art shows. The students were very visible in the school and community, distributing recycling information and also collecting recycled items. Funds generated from the sale of repurposed recyclable items provided a source of revenue to purchase recycle bins. They were invited by the mayor to participate in Litter Law Luncheon as involved citizens. While working with the mayor and Jr Team Green, (handing out flyers and collecting recycled items at multiple city and school events), 40 students clocked in over 1600 hours.

**Baton Rouge Community College – Baton Rouge, LA:**  
*Geaux Green Sustainability Event for the BRCC Campus*

Baton Rouge Community College is receiving the *Environmental Leadership Program (ELP) University Recognition Award in Community Environmental Outreach* for conducting an educational outreach initiative on campus to raise awareness among students, faculty and staff as well as the Baton Rouge community, on the importance of environmental stewardship, sustainability and green practices. A variety of interactive display “stations”, manned by students, faculty, staff and community partners, provided informative and participatory activities highlighting sustainability practices. After rotating through the various stations, participants committed via the “GEAUX GREEN PLEDGE” to use five environmentally-friendly/sustainable practices, remember their pledges and educate others, and pursue their interest and knowledge in sustainability by enrolling in one of the “Enviro” courses.